

Title (en)
MACHINING METHOD FOR MACHINE TOOL.

Title (de)
BEARBEITUNGSVERFAHREN FÜR WERKZEUGMASCHINE.

Title (fr)
PROCEDE D'USINAGE POUR MACHINE-OUTIL.

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Application
EP 84903990 A 19841030

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JP 20457583 A 19831031

Abstract (en)
[origin: US4692873A] PCT No. PCT/JP84/00523 Sec. 371 Date Jun. 25, 1985 Sec. 102(e) Date Jun. 25, 1985 PCT Filed Oct. 30, 1984 PCT Pub. No. WO85/01909 PCT Pub. Date May 9, 1985. A curved surface machining method for machining a curved surface through unidirectional cutting by automatically creating a pick-feed path that will not cause a tool (TL) to strike a workpiece when a pick-feed is performed, pick-feeding the tool along the path, and thereafter performing cutting. The pick-feed path is obtained by using a given tool retraction quantity I for retracting the tool from a cutting path end point Pe, a clearance plane (CPL), coordinate values of the cutting end point Pe, and coordinate values of a cutting starting point Ps on the next cutting path. Specifically, there are obtained: coordinate values of a point Pa distanced from the cutting path end point Pe by the tool retraction quantity I in the direction of the central axis of the tool; coordinate values of the foot Pb of a perpendicular dropped from the point Pa to the clearance plane (CPL); coordinate values of a point Pd distanced from the cutting starting point Ps of the next cutting path (PT2) by the tool retraction quantity I in the direction of the central axis of the tool; and coordinate values of the foot Pc of a perpendicular dropped from the point Pd to the clearance plane. The path Pe->Pa->Pb->Pc->Pd->Ps serves as the pick-feed path.

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G05B 19/41 (2013.01 - EP US); **G05B 2219/49381** (2013.01 - EP US); **G05B 2219/49385** (2013.01 - EP US)

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• No relevant documents have been disclosed.
• See references of WO 8501909A1

Cited by
EP0459251A1; US5289383A; EP0320182A1

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